

10-18-01

A

Atty. Docket No. AMAT/5951/CALB/COPPER/PJS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application  
Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Re: Inventor(s): BO ZHENG; RENREN HE and GIRISH DIXIT  
Title: IMPROVED ECP GAP FILL BY MODULATING THE VOLTAGE ON THE SEED LAYER TO INCREASE CUT CONCENTRATION INSIDE FEATURE

Transmitted herewith is the patent application identified above, including:

- ☒ Specification, claims and abstract, totaling 24 pages.
- ☒ Drawings totaling 5 pages, ☒ Formal ☐ Informal.
- ☒ Executed Declaration and Power of Attorney.
- ☐ Information Disclosure Statement w/ Form 1449 and References.
- ☒ Assignment of the invention to **Applied Materials, Inc.**
- ☒ Assignment Recordation Cover Sheet

FEE CALCULATION					
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	58	-20=	38	x \$18.00	\$ 684.00
Independent Claims	4	-3=	1	x \$84.00	84.00
Basic Filing Fee				\$740.00	\$ 740.00
TOTAL FEES					\$1508.00

☒ The Commissioner is hereby authorized to charge \$1508.00 to Deposit Account No. 50-1074/5951/CALB/COPPER/PJS.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1074/5951/CALB/COPPER/PJS. A duplicate copy of this transmittal is enclosed.

☒ Please address all future correspondence to: **PATENT COUNSEL  
APPLIED MATERIALS, INC.  
Legal Affairs Department  
P.O.BOX 450A  
Santa Clara, CA. 95052**

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Express Mail Receipt No. EL913563628US  
Date of Deposit 10-16-01

Signature *Beth Mulcahy*

Respectfully submitted,

*[Signature]*  
Robert W. Mulcahy  
Registration No. 25,436  
(713) 623-4844

JC682 U.S. PTO  
10/16/01

JC971 U.S. PTO  
09/981508  
10/16/01

RECEIVED  
OCT 16 2001  
U.S. PATENT & TRADEMARK OFFICE